# GUARDIAN: General User Alert Display Panel
## Alpha Test: Completed / To Do
### August 26, 2005

## Items Completed for Alpha 1

- For text blink, switch fore/background colors (don't just use yellow)
- Remove the used delimiter character ("|") from text messages before sending.
- Figure out why the SCANprocessor seemed to have been sending bad messages (empty key)
- When a priority entry widget is hidden, clear the contents variable.
- When writing a key to a config file, do not allow "0" for action.
- Layout section: clear boxes when layout does not use them (and other layout widget issues)
- Make the default configuration workstation-specific
- Provide method to clear a text box
- Provide method to clear a text log – according to category and 'all'.
- Enable the play of audio files (.wav and .au, source is $FXA_HOME/data/sounds)
- Provide color select method that does not use color words (or hex colors)
- Provide additional tips for black title buttons.
- Various Bugs identified in Alpha 0.

## Items Completed for Alpha 2

- If a configuration change has been applied but not yet saved to a file, note this in the file label.
- **Fix bug**: system beep.  Issuing "bell" command from a wish works, but not from tcl direct(!?).
- Check for valid color before trying to save a new Source Key.
- Blink issue: 1) start blink, 2) new, no-blink message comes in, 3) blink continues with *original* colors?  Need to use new colors.
- Ensure 'acknowledge text' also properly halts beep/blink (halts "repetition")
- Provide format without text (monitors only).
- Allow the Configuration to dictate on what screen Guardian will appear.
- Confirm when saving or deleting the default configuration file.
- Provide a graphical method to display and acknowledge an audio response.
- Provide a graphical reflection of when one message comes in right on the heels of another.
- Enable perpetual repetition.
- Handle lack of Monitor Executable better (disable when no exec available).
- Ensure tips pop-ups move with the Configuration window.
- **Fix bug**: main GUI does not update Layout when a new configuration is retrieved.

**To Do List** with priorities (H = high, M = medium, L = low)

- ☐ (H) Ensure an audio file response behaves just like a system beep response (re: repetition, acknowledge, graphical representation, etc).
- ☐ (M) Provide a toggle so the user can turn off the 'On-the-heels' graphical notice.
- ☐ (M) Have an option when confirming a change to Source or Category list from other Guardian session that allows for "Always Confirm", so the user will not have to confirm each time?
- ☐ (M) Provide method to minimize the main GUI (may be impossible to do along with removing window frame)
- ☐ (M) Provide user the option of automatically ingesting the *workstation* default configuration or *their own* default configuration upon start-up.
- ☐ (L) Enable reversion to default (timer).  Provide notification/confirmation.
- ☐ (L) Show the time remaining for the reversion timer and provide a re-set button (for reversion to default)
- ☐ (L) Implement minimum time interval.
- ☐ (L) Color code individual log entries (itemconfigure)
- ☐ (L) If cancel new source, put list box selection back to previous (?? – this may not be needed)
- ☐ (L) Provide font size flexibility
- ☐ (L) Perhaps allow text message to contain arguments for the 'action' (??)
- ☐ (L) Have a re-start button?
- ☐ (L) Ensure log windows move with main window if possible.

**Other issues** with priorities (H = high, M = medium, L = low)

- ☐ **(H) How do we handle an 'urgent' message followed immediately by a less urgent message?  Blinking, audio, color, etc?**
- ☐ **(H) Continue to iron out what the categories should be**
- ☐ **(H) Determine a few good configurations to provide upon operational delivery.**
- ☐ **(H) How to enable launch-upon-login when operationally fielded.  Target installation, not localization.**
- ☐ (M) How to handle proper process shut-down upon logout. (multiple DataController problem)
- ☐ (L) Perhaps implement std::map for easier lookups?
- ☐ (L) Consider how to handle end-of-line characters in text message
- ☐ (L) How to handle new config file versions.